

## Oil Spill Remediation Assignment

**Remediation:** Reversing or stopping environmental damage

**Summary:** You will create an informational brochure about methods that could be used to clean up an oil spill. See the back of this sheet for the marking scheme.

Chemical reactions may have a negative impact on the environment, but they can also be used to address environmental challenges.

Suppose that you are a specialist in charge of **deciding how to clean up an oil spill**. You have the following FIVE options:

- let nature take its course
- use biological agents
- use a controlled burn
- use chemical dispersants
- skim oil off the surface

Part of your job is to communicate your method(s) of choice to the people of a small coastal community that will be affected by the oil spill. Research the benefits and drawbacks of each method, and describe the advantages and disadvantages of each in a brochure (called "The Oil Spill: What You Need To Know"). CITE YOUR SOURCES somewhere on the brochure.

Your brochure may look like:

<p><b>OIL SPILL</b></p> <p>What you need to know</p> <p>brought to you by YOURNAME</p>	<p>- What is “let nature take its course”?</p> <p>- What are the advantages of this method?</p> <p>- What are some disadvantages of this method?</p> <p>- Do you / your organization support this method?</p>	<p>- What is “using biological agents”?</p> <p>- What are the advantages of this method?</p> <p>- What are some disadvantages of this method?</p> <p>- Do you / your organization support this method?</p>	
<p>Back →</p>	<p>- What is “controlled burning”?</p> <p>- What are the advantages of this method?</p> <p>- What are some disadvantages of this method?</p> <p>- Do you / your organization support this method?</p>	<p>- What is “using chemical dispersants”?</p> <p>- What are the advantages of this method?</p> <p>- What are some disadvantages of this method?</p> <p>- Do you / your organization support this method?</p>	<p>- What is “skimming oil off the surface”?</p> <p>- What are the advantages of this method?</p> <p>- What are some disadvantages of this method?</p> <p>- Do you / your organization support this method?</p>

Front ←

## **Marking Scheme for “Oil Spill – What You Need to Know”:**

### **Knowledge: 0 1 2 3 4 5**

- Each of the five methods are summarized
- Student demonstrates knowledge about how each method works

### **Inquiry: 0 1 2 3 4**

- Research is evident and information is relevant and correct
- Ideas are presented in the student’s own words
- Resources are cited

### **Communication (Language): 0 1 2 3 4**

- Did you use language that would help the average person understand each method?
- Was the brochure easy to read and informative?

### **Communication (Visual Appeal and Creativity): 0 1 2 3**

- Overall impact of the brochure: is it impressive?
- Variety of images are used
- Images are eye-catching and effective
- It would attract positive attention from people who pick it up

### **Application: 0 1 2 3 4**

- Did you explain advantages and disadvantages of each of the five method?

**Due date** is Monday, October 17.

Window of opportunity closes on Wednesday, October 19.